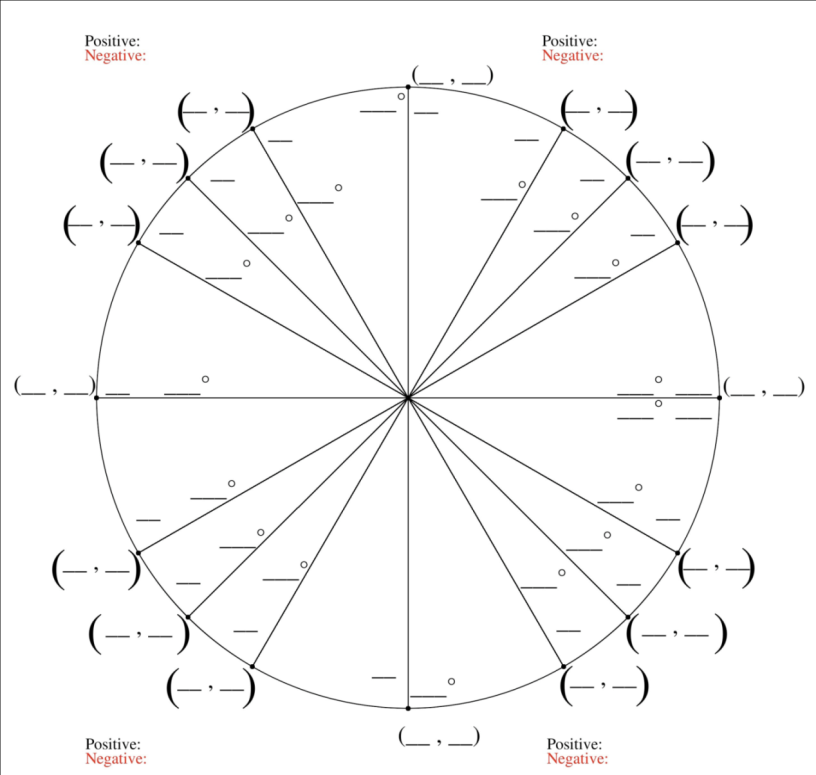
**Homework 72** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit Circle** Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Failure to show all work and write in complete sentences will result in LaSalle!

WITHOUT your notes, fill in all degree measures, radian measure and coordinate points for the unit cicle below:



|  |  |
| --- | --- |
| 1. Find the coordinates of 210°. | 1. Find the coodinates of . |
| 3.  is the coordinate for what angle measure? | 4. What angle measure has an y-coordinate of ? |
| 5. Convert -180ᵒ to radians. | 6. Determine one positive and one negative coterminal of - 220ᵒ. |
| 7.  is the coordinate for what angle measure? | 8. Find the coordinates of radians on the unit circle. |

|  |  |
| --- | --- |
| 9) Draw a 480° angle.    a. Find one positive angle that is coterminal with the given angle.  b. Find one negative angle that is coterminal with the given angle. | 10) Draw a -570° angle.    a. Find one positive angle that is coterminal with the given angle.  b. Find one negative angle that is coterminal with the given angle. |
| 11) Find the missing side lengths.   1. y   45  x | 12) Find the missing side lengths.  1 y  30  x |
| 13) Find the missing side lengths.  1 y  60  x |  |